



#13/CJ08
4/11/02
PATENT
A-68112-1/RFT/NBC

UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of

BELOTSEKOVSKII, et al.

Serial No.: 09/557,423

Filing Date: March 21, 2000

For: LOCKED NUCLEIC ACID HYBRIDS
AND METHODS OF USE

Examiner: B. Loeb

Group Art Unit: 1636

TECH CENTER 1600/2800

APR 03 2002

RECEIVED

"EXPRESS MAIL" MAILING LABEL

Number: EV 047415589 US Date of Deposit: April 3, 2002
I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the U.S. Patent and Trademark Office, BOX CPA, P.O. Box 2327, Arlington, VA 22202, on April 3, 2002.

Typed or Printed Name: DARRYL KRINER

Signed: [Signature]

Assistant Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Prior to examination, please amend the above-identified application as follows:

In the Claims:

Please cancel claims 1-5, 7-26, 28-42, 46-47, and 49-51 without prejudice or disclaimer.
Please amend and add the following claims:

43. (Amended) A composition comprising at least one recombinase and a double D-loop comprising a target nucleic acid and a single stranded targeting polynucleotide comprising a first homology clamp that is substantially complementary to a preselected target nucleic acid sequence, a second homology clamp that is substantially complementary to said preselected target nucleic acid sequence, and at least one locking sequence.

113. (New) The composition of claim 43 further comprising a second single stranded polynucleotide comprising a first homology clamp that is substantially complementary to said